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FIG. 1 PRIOR ART

TABLE IN WHICH
CONVERSION AS
PCR VALUES
HAS BEEN MADE

USED	8	4	2	1
FREE	0	1	1	1

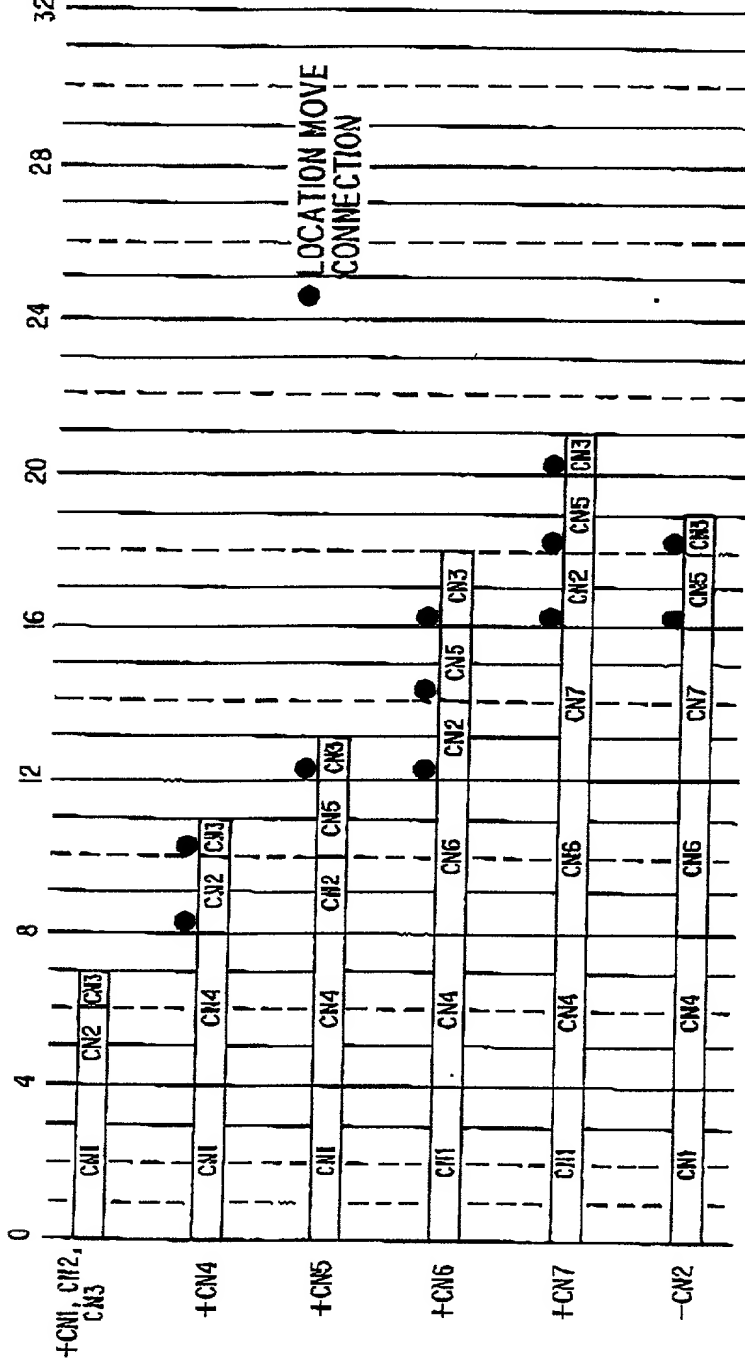
USED	8	4	2	1
FREE	0	2	1	1

USED	8	4	2	1
FREE	0	2	2	1

USED	8	4	2	1
FREE	1	1	1	1

USED	8	4	2	1
FREE	0	4	2	1

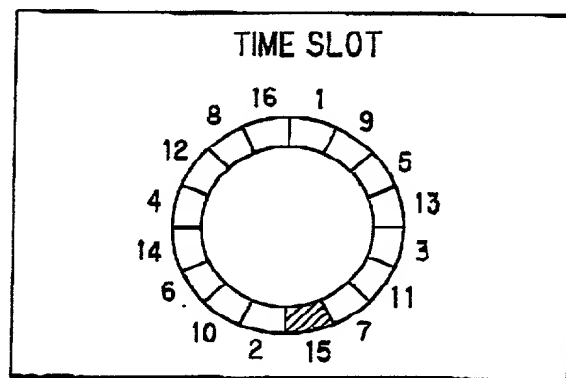
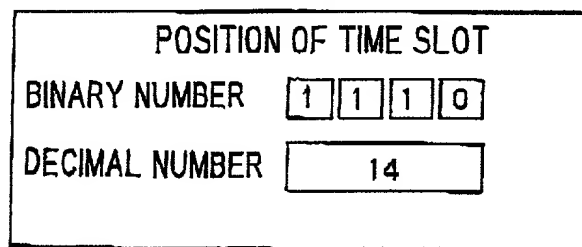
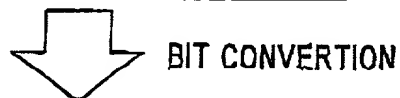
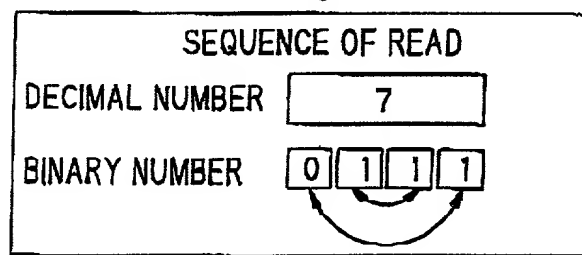
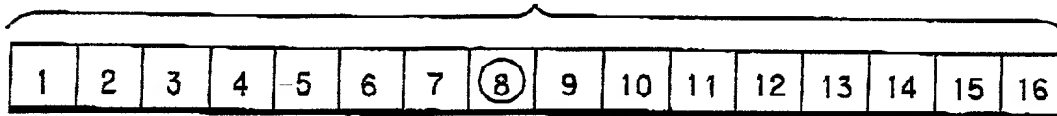
USED	8	4	2	1
FREE	1	0	1	1



TEN : TOTAL NUMBER OF ENTRIES
FREE : IDLE AREA
USED : USED AREA
CN : CONNECTION

TEN (=32)

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FIG.2 PRIOR ARTIF TABLE LENGTH IS 16, BINARY NUMERAL OF $\log_2(16) = 4$ DIGITS IS POSSIBLE

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FIG.3 PRIOR ART

-1 REARRANGEMENT +1

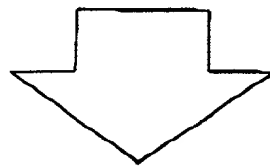
MANAGEMENT TABLE	(DECIMAL)	(BINARY)	(BINARY)	(DECIMAL)	POSITION OF TIME SLOT
1	0	0 0 0 0	0 0 0 0	0	1
2	1	0 0 0 1	1 0 0 0	8	9
3	2	0 0 1 0	0 1 0 0	4	5
4	3	0 0 1 1	1 1 0 0	12	13
5	4	0 1 0 0	0 0 1 0	2	3
6	5	0 1 0 1	1 0 1 0	10	11
7	6	0 1 1 0	0 1 1 0	6	7
8	7	0 1 1 1	1 1 1 0	14	15
9	8	1 0 0 0	0 0 0 1	1	2
10	9	1 0 0 1	1 0 0 1	9	10
11	10	1 0 1 0	0 1 0 1	5	6
12	11	1 0 1 1	1 1 0 1	13	14
13	12	1 1 0 0	0 0 1 1	3	4
14	13	1 1 0 1	1 0 1 1	11	12
15	14	1 1 1 0	0 1 1 1	7	8
16	15	1 1 1 1	1 1 1 1	15	16

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FIG.4 PRIOR ART

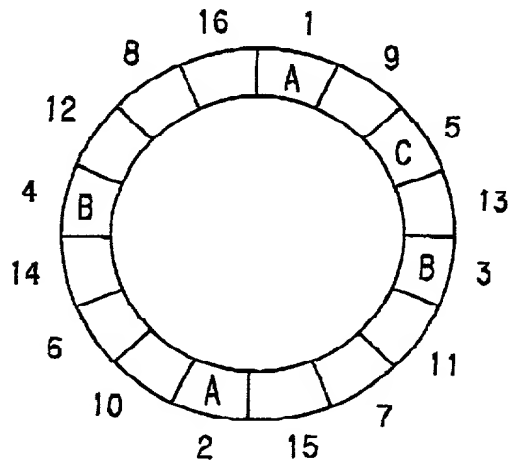
CELL READ SEQUENCE MANAGEMENT TABLE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A		B		C											
$\left(\begin{array}{l} A(PCR=2) \\ B(PCR=2) \\ C(PCR=1) \end{array} \right)$															



CONVERSION

TIME SLOT



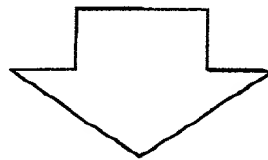
A, B, C : ATM LINE

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FIG.5 PRIOR ART

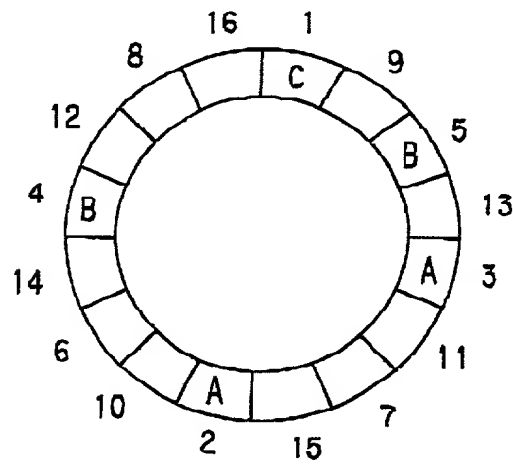
CELL READ SEQUENCE MANAGEMENT TABLE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
C		A		B											
$\left(\begin{array}{l} A(PCR=2) \\ B(PCR=2) \\ C(PCR=1) \end{array} \right)$															



CONVERSION

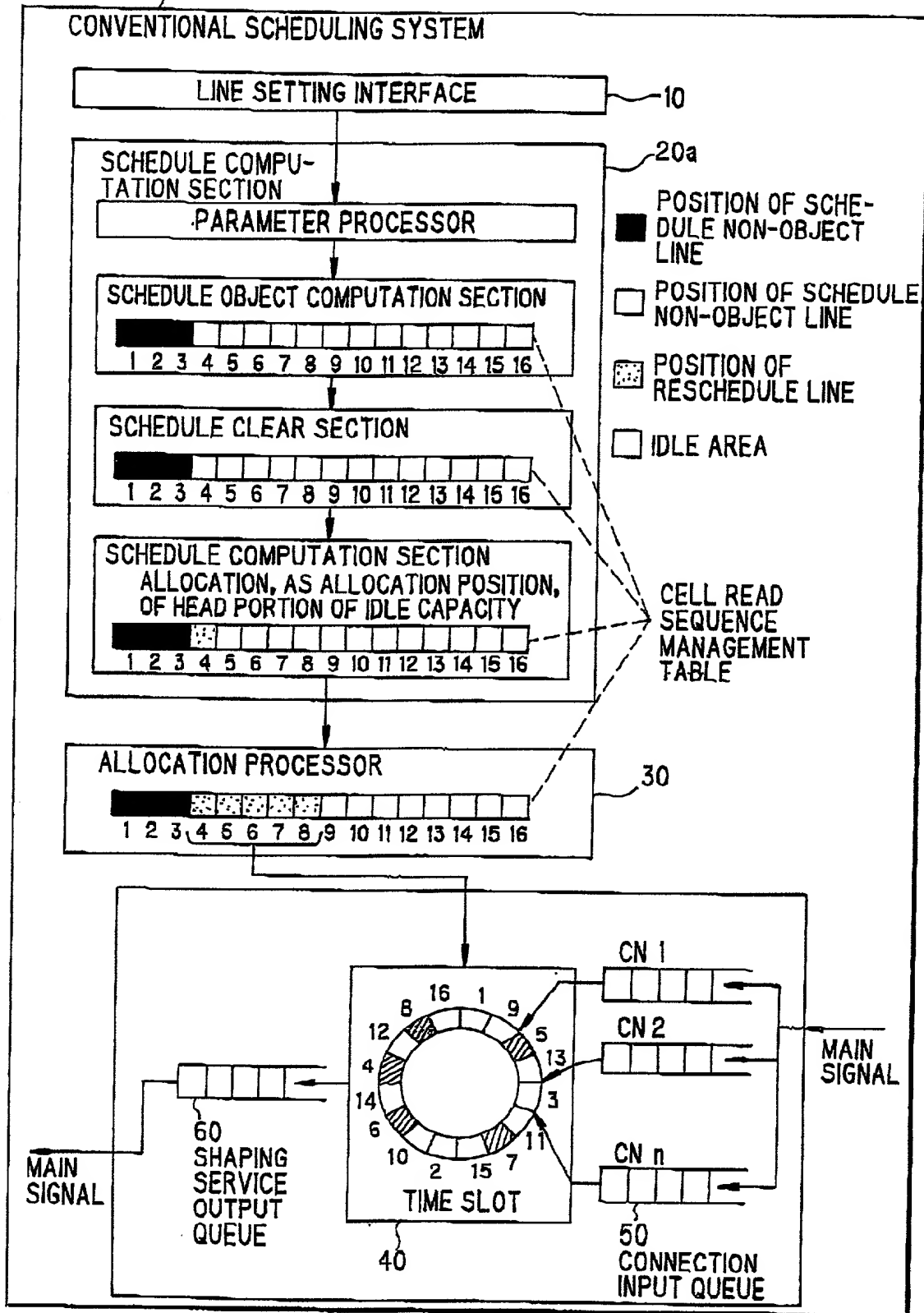
TIME SLOT

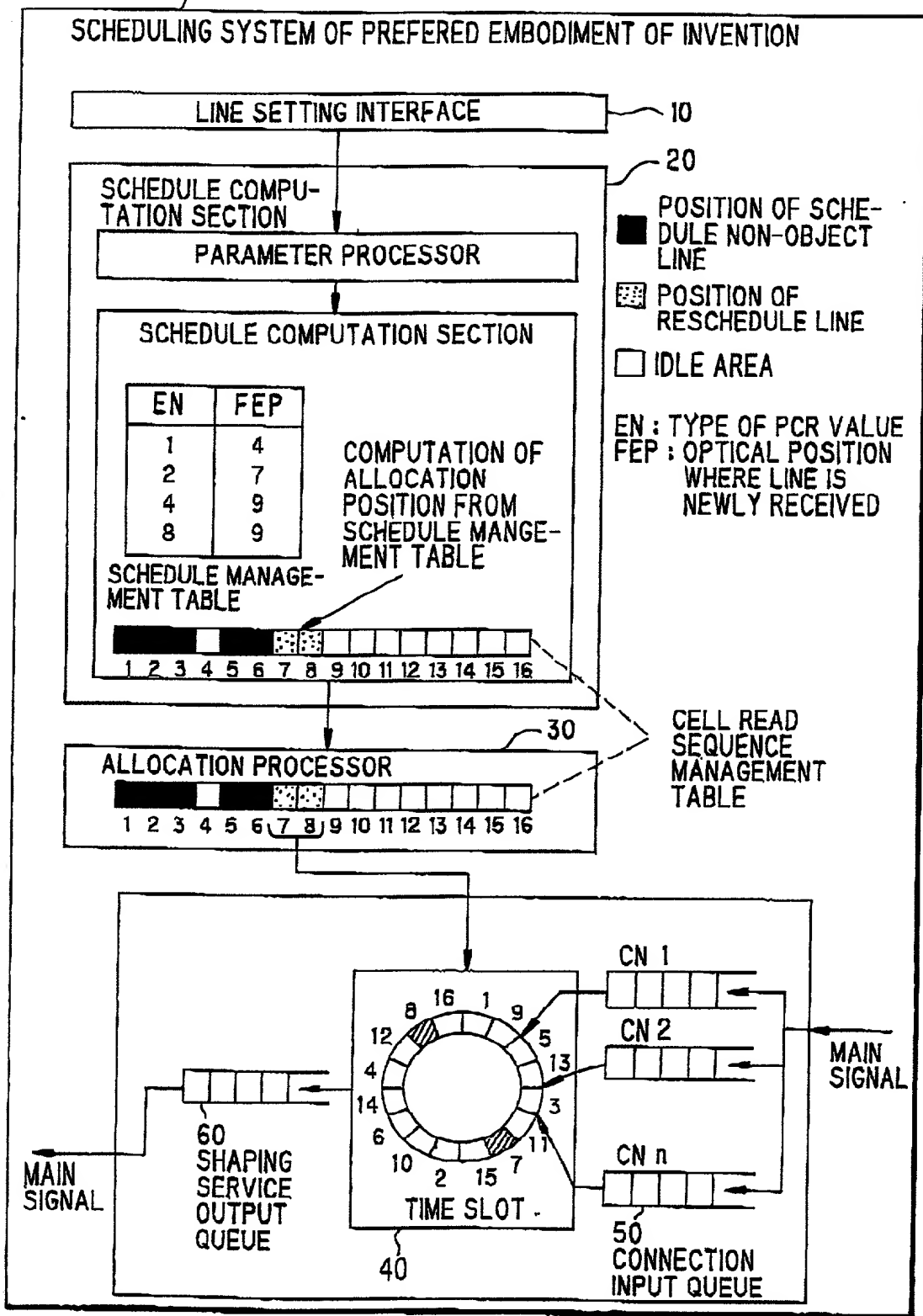


A, B, C : ATM LINE

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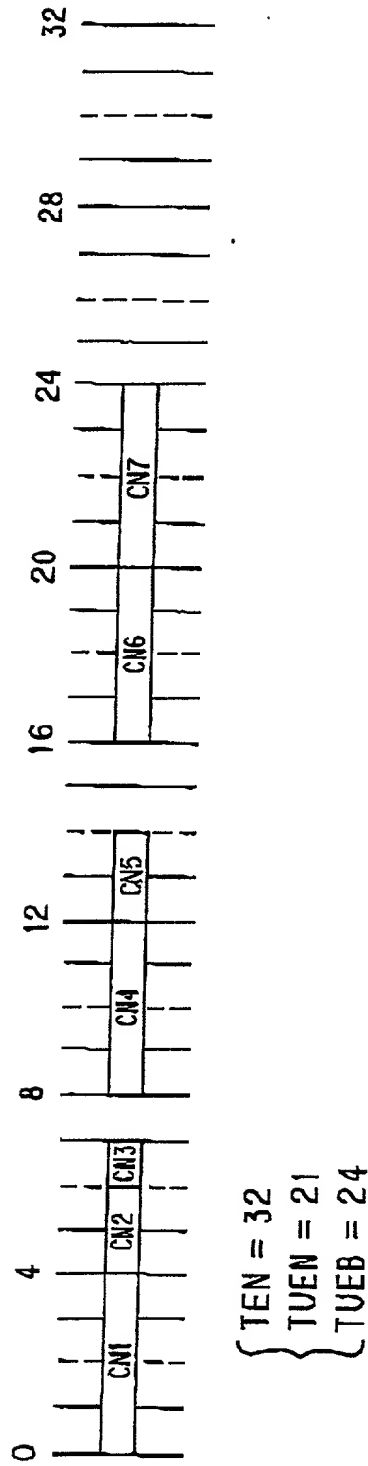
100a

FIG. 6 PRIOR ART

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FIG. 7

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FIG. 8



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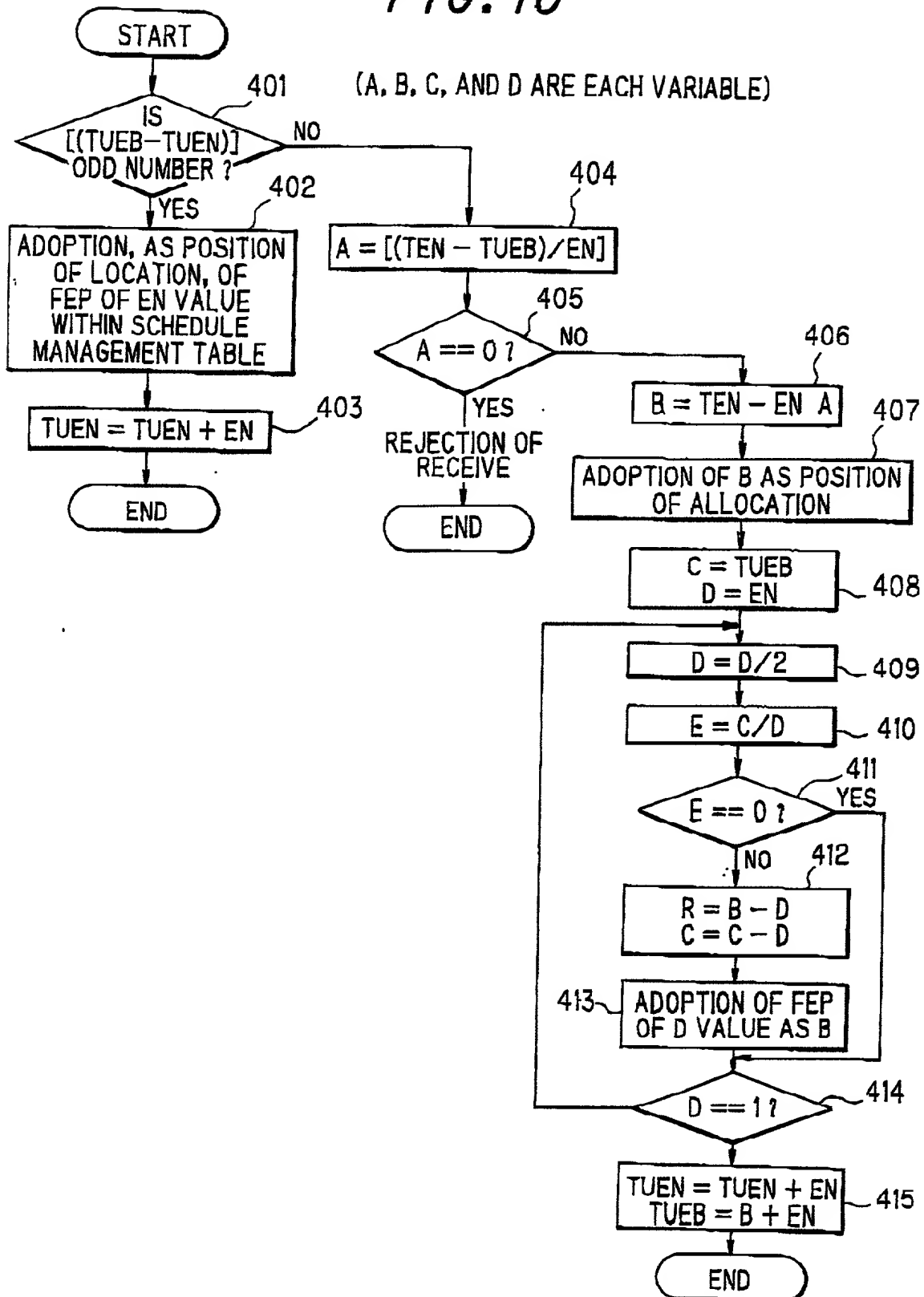
FIG.9

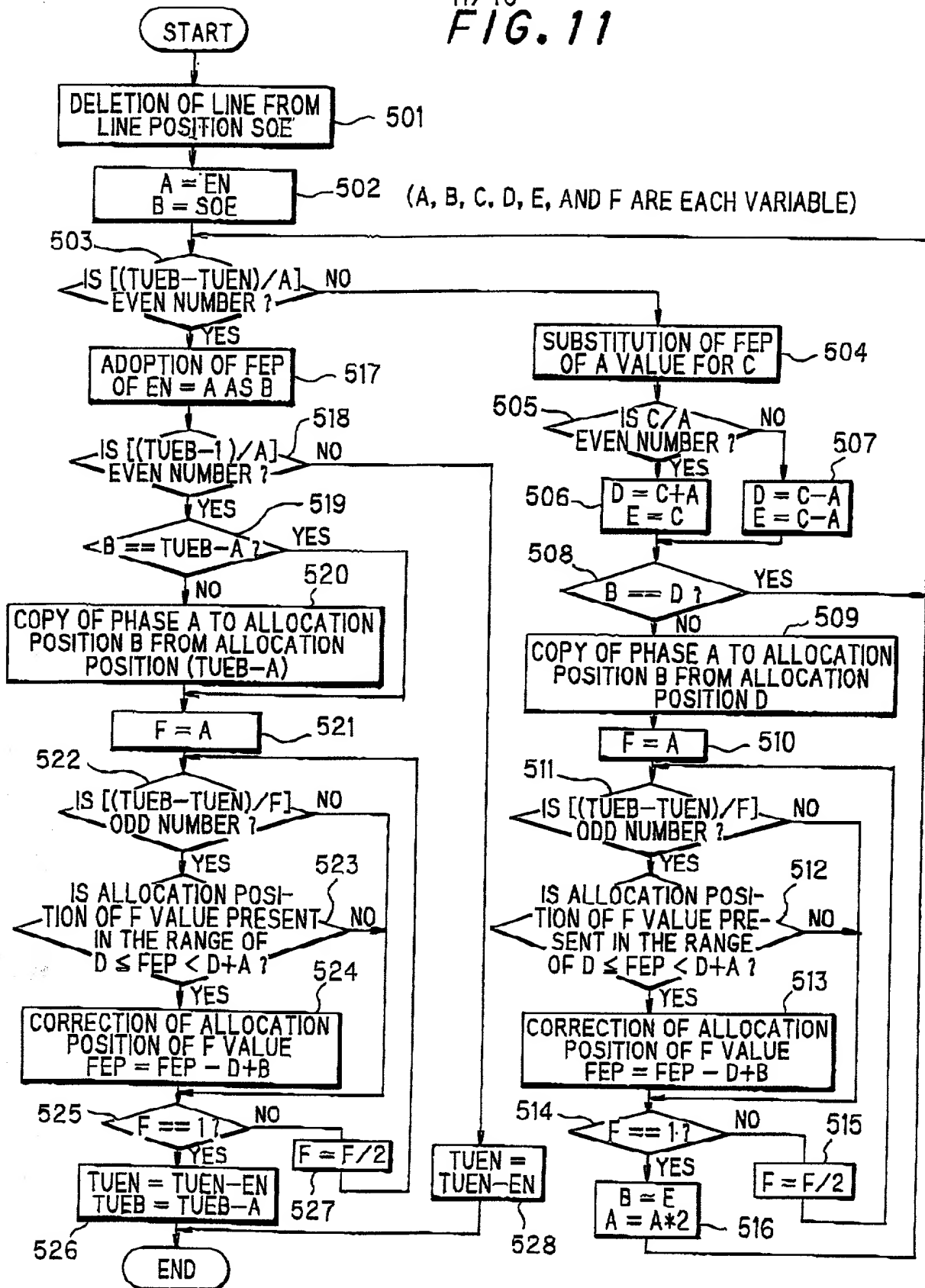
EN	FEP
1	8
2	15
4	25
8	25

EN : TYPE OF PCR VALUE
FEP : OPTICAL POSITION WHERE LINE
IS NEWLY RECEIVED

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FIG. 10

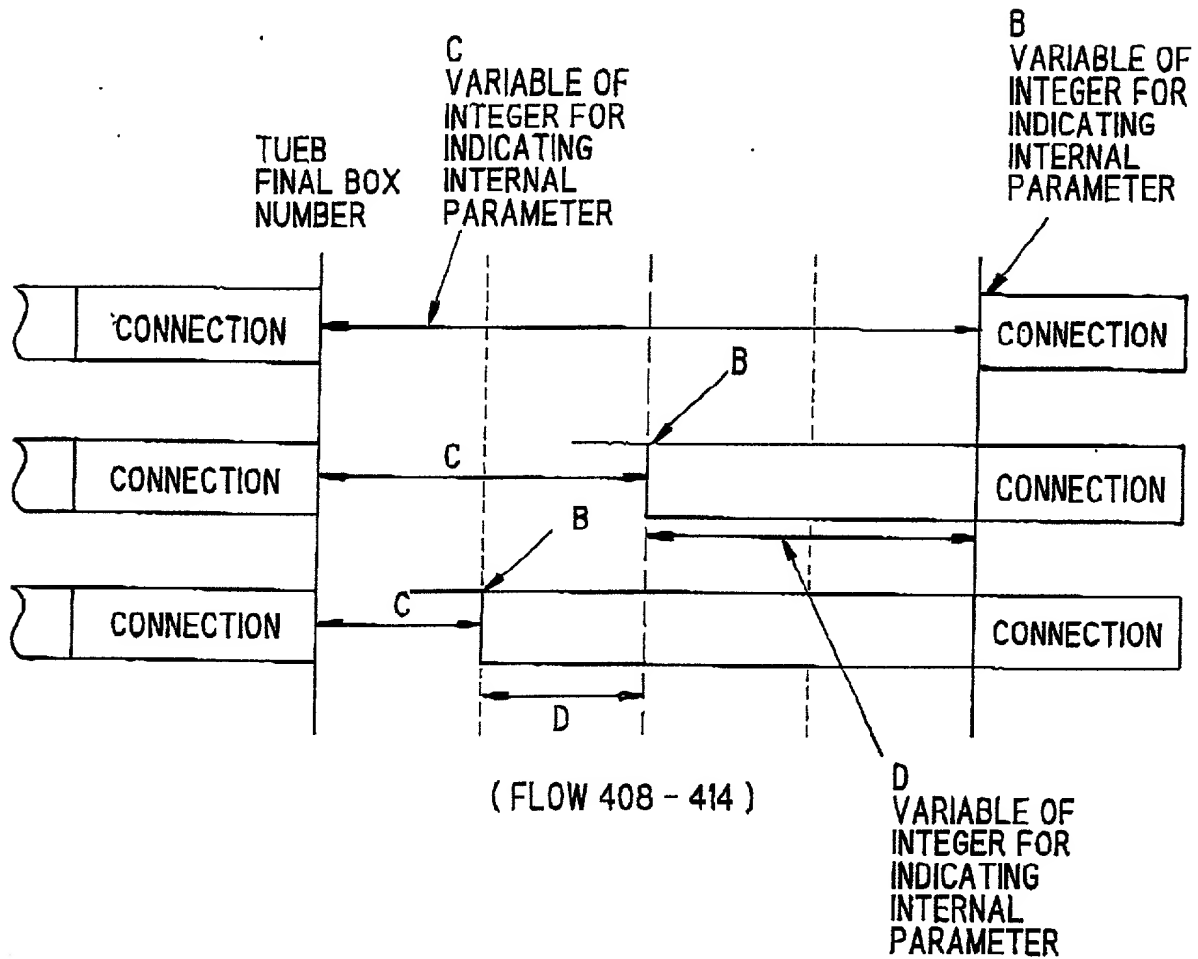


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FIG. 11

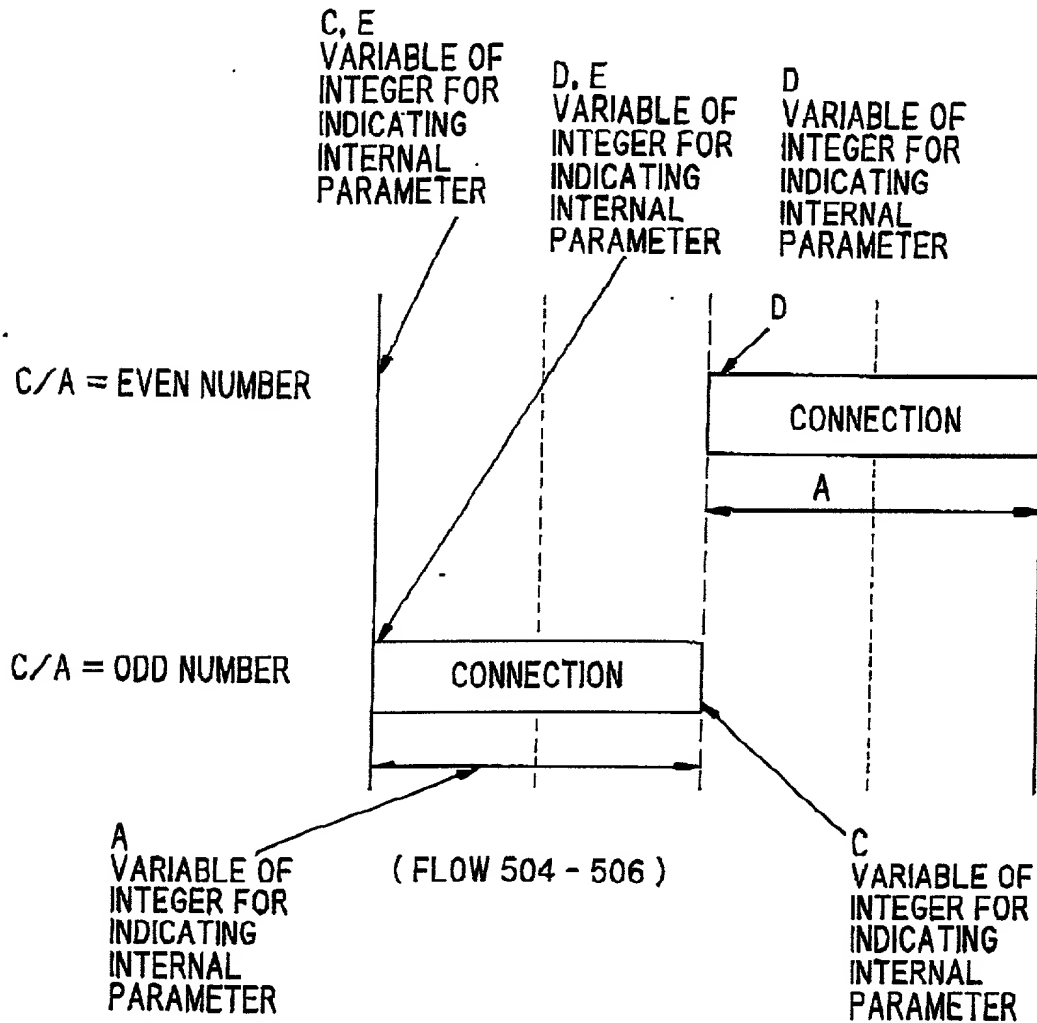
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FIG. 12

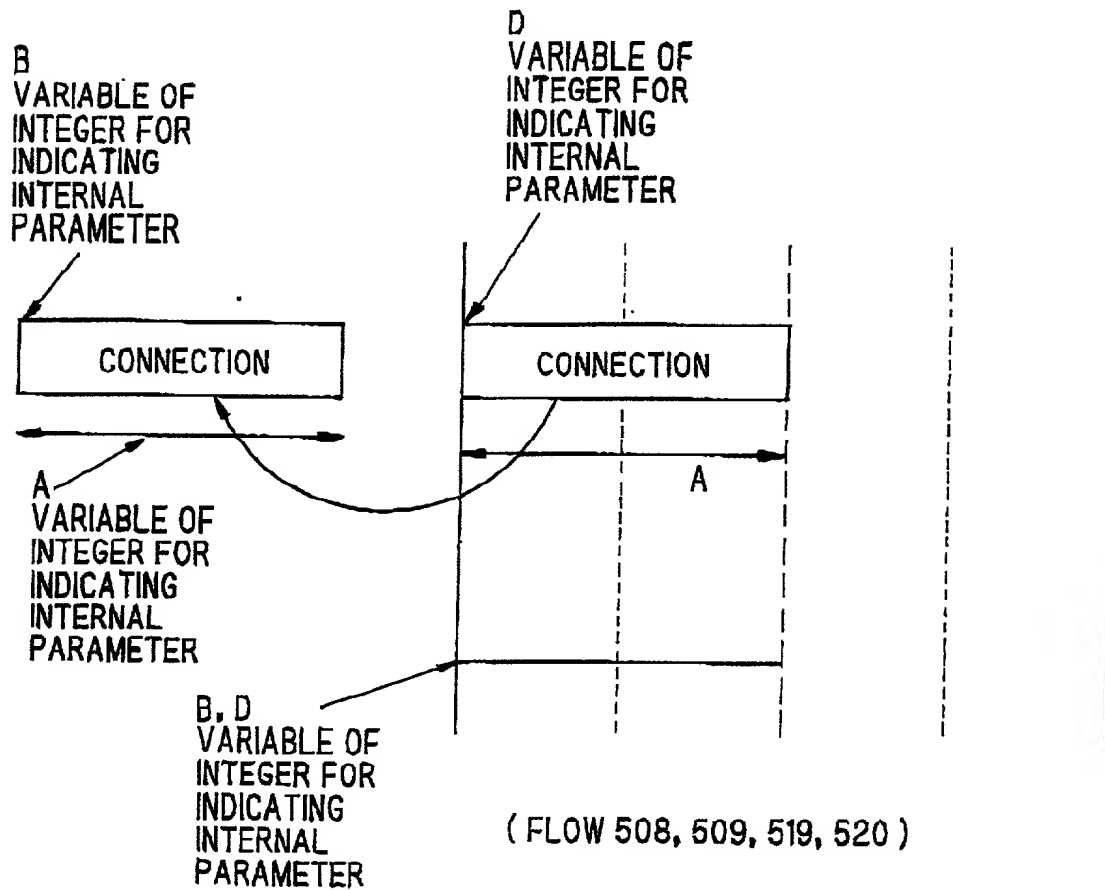
SCHEDULING OF CELL READ SEQUENCE MANAGEMENT TABLE



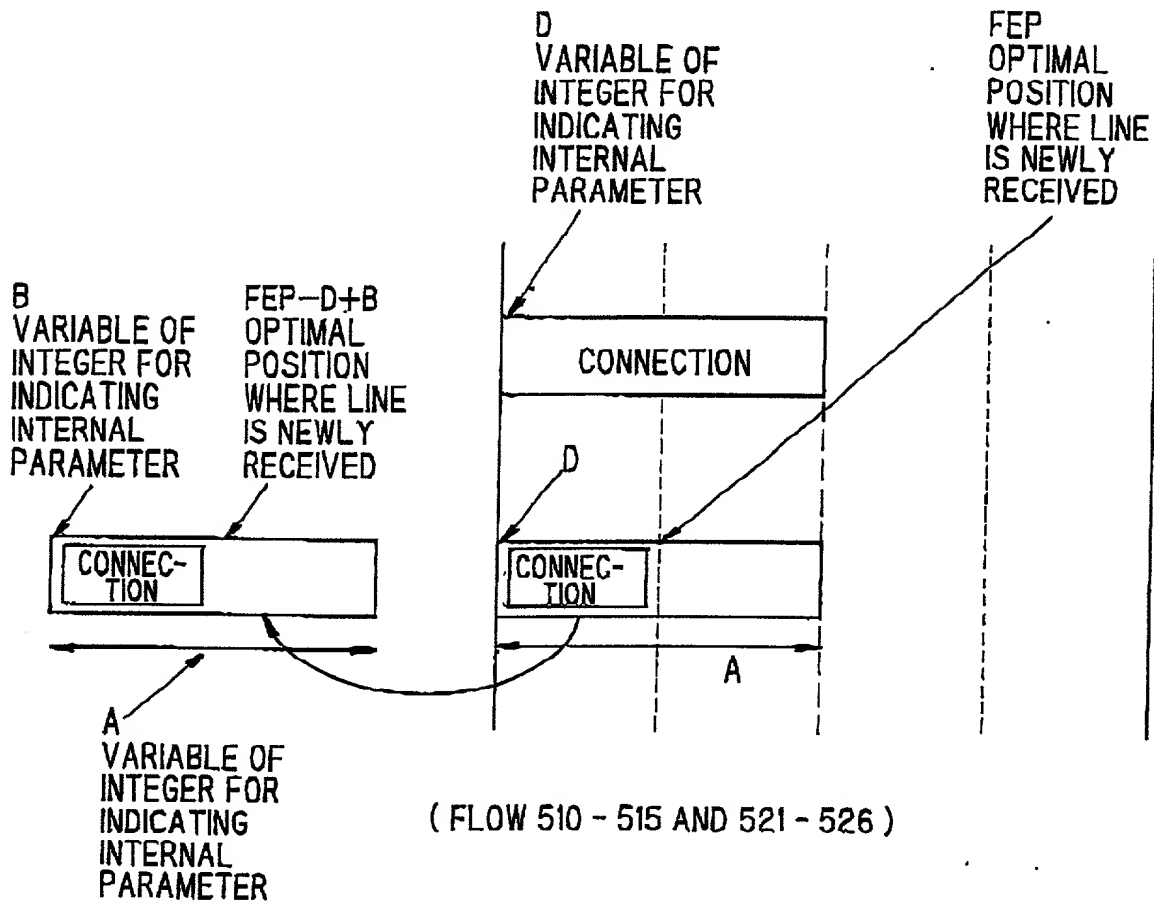
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FIG. 13**SCHEDULING OF CELL READ SEQUENCE MANAGEMENT TABLE**

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FIG. 14**SCHEDULING OF CELL READ SEQUENCE MANAGEMENT TABLE**

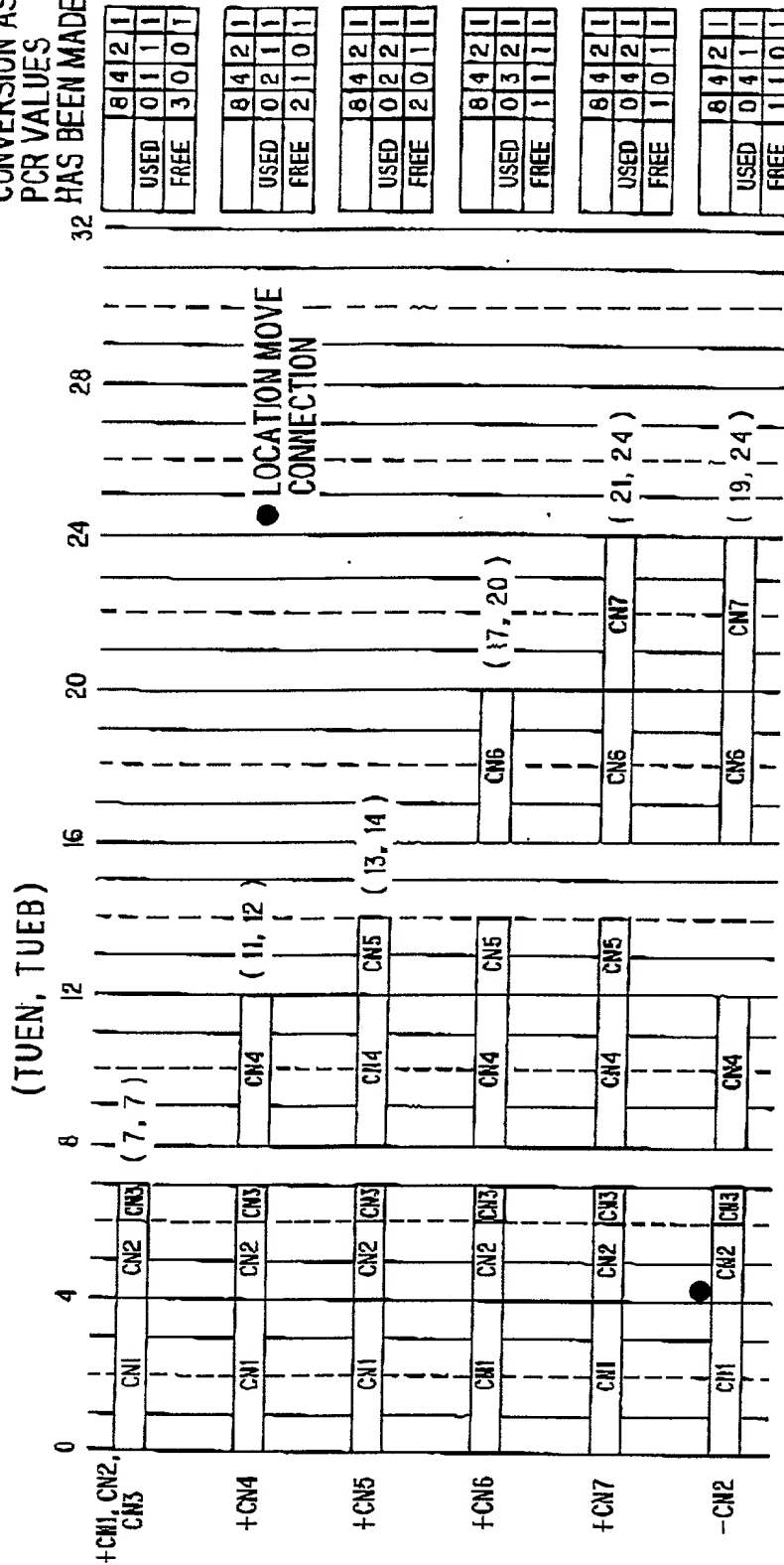
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FIG. 15**SCHEDULING OF CELL READ SEQUENCE MANAGEMENT TABLE**

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FIG. 16

TABLE IN WHICH
CONVERSION AS
PCR VALUES
HAS BEEN MADE



TEN(=32) TUEN: TOTAL NUMBER OF USED ENTRIES
TUEB: FINAL BOX NUMBER
TEN: TOTAL NUMBER OF ENTRIES
FREE: IDLE AREA
USED: USED AREA
CN: CONNECTION